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 TI - Concrete  
 PA - Showa Denko K. K., Japan  
 SO - Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF  
 DT - Patent  
 LA - Japanese  
 IC - C04B13/00;C04B13/21  
 CC - 58-2 (Cement, Concrete, and Related Building Materials)  
 Section cross-reference(s): 60

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PN	JP58079859	A	19830513	JP 1981-174436	19811102
PR	JP 1981-174436			19811102	
AB	Aq. slurries contg. hydraulic cement and Ca aluminates are mixed with cement-contg. wastewater, sludges, sludge powder, and/or slurries to make concrete. Thus, portland cement 46.9, silica sand 31.3, Ca(OH) <sub>2</sub> 1.8, water 23.0, and Na citrate [994-36-5] 0.3 part were mixed with cement-contg. sludge 28.6 parts, a foaming agent, and a mixt. of Al <sub>2</sub> O <sub>3</sub> cement 10 and water 7 parts to make lightwt. air-entrained concrete with bending strength 13.0 and compact strength 76.5 kg/cm <sup>2</sup> . → 50 kg/cm <sup>2</sup>				
ST	calcium aluminate concrete; alumina cement concrete				
IT	Slimes and Sludges (cement, in concrete batches for air-entrained lightwt. concrete)				
IT	Concrete (lightwt., air-entrained, cement sludge and calcium hydroxide and sodium citrate in raw mixes for)				
IT	994-36-5 1305-62-0, uses and miscellaneous RL: USES (Uses) (in concrete batches, contg. cement sludges, for lightwt. air-entrained concrete)				

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